#### CLASSIFICATION:

### **UNCLASSIFIED**

	В	UDGE	TITEM JUSTIFI	CATION	SHEET			DATE:				
			P-40						Februa	ry 2004		
APPROPRIATION/	BUDGET ACTIVI	TY	BA-2 COMMUNIC	CATIONS 8	<u>,</u>	P-1 ITEM NO	MENCLATURE	Ī				
OTHER PROCU	JREMENT, NA	VY	ELECTRONIC	S EQUIP	MENT		Automatic	Carrier Lar	nding Syste	m (42PN)	BLI# 283200	)
Program Element for	or Code B Items:					Other Related	Program Elem	nents				
	Not App	licable					0604504N					
	Prior	ID									То	
	Years	Code	F	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	Complete	Total
QUANTITY												
COST (In Millions)	\$228.0	А		11.5	17.4	12.5	17.9	18.5	18.9	19.3	CONT	CONT

The Automatic Carrier Landing System (ACLS) provides the primary precision electronic guidance for landing aircraft under all weather conditions on CVs, CVNs, LHAs, LHDs and at selected Naval Air Stations. Many of the components in the system have been in service for more than twenty years. This program funds maintainability, reliability and supportability improvements to existing equipment components that can no longer be maintained and supported, as well as items providing upgraded operational capability. A major effort involves a group of technology-refresh upgrades to extend the AN/SPN-46(V) service life until 2020. A new Cost Code for AN/SPN-46(V) Life Cycle Extension, PN410, will cover the costs of this set of related modifications, which includes the Unit 19 modification identified in previous budgets. In addition to Radar Control Group (Unit 19), modification kits will be acquired for an Enhanced GPS/Inertial unit to replace an older INS unit, for modification of Radar Set Groups (Units 24 and 25), for replacement of the AN/AYK-14 with a state-of-the-art processor group, replacement of operator and maintenance consoles and peripheral displays.

Due to supportability deficiencies, and length of time in service, the AN/SPN-46(V)1 landing system is being upgraded to AN/SPN-46(V)3 on CVs and CVNs.

FY 2005 - Procures two AN/SPN-35C Upgrades, various miscellaneous ACLS Modification Kits, and associated installation efforts.

Installing Agent: Shipyards and Alteration Installation Teams (AITs).

Ships or facilities to receive equipment: CV/CVNs, LHAs, LHDs, selected LPHs, the In-Service Engineering Agent (ISEA-NAWCAD, St. Inigoes), selected shore sites and the training site.

P-1 SHOPPING LIST

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CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454. JUN 86

CLASSIFI	ICATION: UNI	CLASSIFIED													
	WEAPONS SYSTEM COST ANALY	/SIS		Weapon Sys	tem									DATE:	
	P-5													Februa	ry 2004
	PRIATION/BUDGET ACTIVITY			ID Code	P-1 ITEM NO	MENCLATUR	E/SUBHEAD								
	ocurement, Navy														
BA-2 CO	MMUNICATIONS & ELECTRONICS EQUIPMENT		ITOTAL OCCI	A	IDO OF DOLL AF	Automatic C	arrier Landing	System (AC	LS) 42PN						
				IN THOUSAN	DS OF DOLLAR	(5									
COST	ELEMENT OF COST	ID Code	Prior Years					FY 2003			FY 2004			FY 2005	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
PN404 PN408 PN409 PN410 PN800 PN830 PN840 PN900 PN900 PN990	AN/SPN-41 Ind. Landing Monitor (ILM) /1 ACLS Mod Kits 2/ AN/SPN-35C Modification AN/SPN-46(V) LCE Mod Kits Integrated Logistics Support Production Engineering Support Quality Assurance Acceptance Test and Evaluation Non-FMP Installation FMP Installation Initial Training Various 3/	A N/A N/A N/A N/A N/A N/A N/A	34,009 30,276 5,641 2,267 4,931 1,088 4,988 2,094 59,993 7 82,780				1 VAR VAR		1,500 369 273 610 1,582 70 222 266 6,533 25	VAR VAR		2,127 2,104 1,858 4,846 714 4 5,711	VAR VAR VAR		2,945 2,959 574 650 701 436 440 3,810
2/ ACLS I	Usunit price reduction due to reuse of some decon Mod Kits include kits for the following equipment: Anount identified in this line reflects total prior year full	AN/SPN-35,	AN/SPN-41, AN ciated with cost	elements no lo			beyond.								
DD EODW	1 2446, JUN 86	D_1 QU/	228,074 OPPING LIST					L	11,450		<u> </u>	17,364	CLASSIFICAT	ION:	12,515
DD I OIN	12110, 001100	ITEM NO.		PAGE NO. 2	2									INCLASSIFIED	)

CLASSIFICATION:

# **UNCLASSIFIED**

ENT HISTO	DRY AND F	<b>PLANNING EXHIBI</b>	T (P-5A)		Weapon System		A. DATE		
								February 20	04
ACTIVITY				C. P-1 ITEM NOM	ENCLATURE			SUBHEAD	
							o. o.	40	<b>-</b>
ONS AND E		ICS EQUIPMENT		Automa		stems (A	CLS)		
QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	DATE REVISIONS AVAILABLE
1	\$1,500	NAVAIR	N/A	PO	NAWCAD St. Inigoes	11/02	1/04	YES	
1 2	\$1,382 \$1,389	NAVAIR NAVAIR	N/A N/A	PO PO	NAWCAD St. Inigoes NAWCAD St. Inigoes	3/04 12/04	8/05 5/06	YES YES	
	ACTIVITY    avy   DNS AND E   QUANTITY	ACTIVITY   avy   ONS AND ELECTRON    QUANTITY	ACTIVITY  AVY  DNS AND ELECTRONICS EQUIPMENT  QUANTITY  UNIT COST (000)  1 \$1,500 NAVAIR  1 \$1,382 NAVAIR	QUANTITY	ACTIVITY   avy   DNS AND ELECTRONICS EQUIPMENT	ACTIVITY   avy   DNS AND ELECTRONICS EQUIPMENT	ACTIVITY (avy  DNS AND ELECTRONICS EQUIPMENT  QUANTITY  UNIT COST (000)  1 \$1,500  NAVAIR  N/A  PO  NAWCAD St. Inigoes  1 \$1,382  NAVAIR  N/A  PO  NAWCAD St. Inigoes  3/04	ACTIVITY   avy   ONS AND ELECTRONICS EQUIPMENT	ACTIVITY   avy   DNS AND ELECTRONICS EQUIPMENT

#### D. REMARKS

System integration and assembly will be accomplished by the field activity, NAWCAD, after procuring individual components through various contractual vehicles. FY 2003 unit pricing for AN/SPN-41 reflects reuse of decommissioned components, refurbished and modified by NAWCAD.

РЗА		INDIVID	UAL	MODIFIC	ATIO	N														
MODELS OF SYSTEM AFFECTED:	CVs/CVN	Ns, L-class,		_	Flight	t Safety			_		MOE	DIFICATION	N TITLE:	AN/SPN	N-41 (PN	404)				
	selected	shore sites	i.	=" =																
DESCRIPTION/JUSTIFICATION:																				
AN/SPN-41 provides independent landing										LHD). T	he tot	al inventor	y objectiv	ve for thi	s item is t	twenty-se	even,	of which	า twent	y-
one are OPN funded and six SCN funded.	. The end	l-item is ar	n in-h	ouse buil	d by N	IAWCAD	St. Ini	igoes, M	1D.											
DEVELOPMENT STATUS/MAJOR DEVEL	OPMENT	MII FSTO	ONES	······································	IOC <sup>2</sup>	1994														
		220.		-				•												
	<u>Prior</u>	r Years	<u>F`</u>	Y 2003	<u>F</u>	2004	<u>FY</u>	2005	<u>F)</u>	2006	<u> </u>	Y 2007	<u>FY</u>	2008	FY 2	2009		<u>TC</u>	-	TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																				
RDT&E																			1	
PROCUREMENT	+								1										+	
INSTALLATION KITS NRE	-																		+	
INSTALLATION KITS																				
EQUIPMENT NRE	1																			
EQUIPMENT	20	34.009	1	1.500															21	35.509
Equipment "B"	1																			
ECP 1 Grp "B"	1																			
ECP 2 Grp "B"																				
DATA	1																			
TRAINING EQUIPMENT																				
SUPPORT EQUIPMENT																				
INTEGRATED LOGISTICS SUPPORT		0.033																		0.033
PRODUCTION ENGINEERING		0.048																		0.048
QUALITY ASSURANCE	1			0.003																0.003
ACCEPTANCE, TEST & EVALUATION	1					1									1				1	
INITIAL TRAINING	1																			
OTHER	1	39.725				1									1				1	39.725
INTERIM CONTRACTOR SUPPORT	1					1									1				1	
INSTALL COST	18	21.632	1	2.468	2	2.312									1				21	26.412
TOTAL PROCUREMENT	1	95.447		3.971		2.312														101.730
	-													Exhibit	P-3A (Ind	ividual N	lodific	cation)	CLA	SSIFICAT

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLA	SSIFI	IED																				
P3A (Continued)																						
MODELS OF SYSTEMS AF	FECT			, LHAs, LH shore sites		d MOI	DIFIC	ATION TIT	ΓLE: _	AN/SPN	l-41 (	PN404)										
INSTALLATION INFORMAT	ION:	33.33																				
METHOD OF IMPLEMENTA	ATION	I: Alter	ation	Installatio	n Tea	am_																
ADMINISTRATIVE LEADTIN	ME:		2	Month	s	PRODUC	TION	LEADTIN	1E: _	14	Montl	hs										
CONTRACT DATES: DELIVERY DATE:		FY 2003: FY 2003:			11-02 1-04			FY 2004: FY 2004:	-	N/A			FY 20	_		N/A N/A	-					
								(\$ in N		,											7	
Cost:		ior Years	F Qty	Y 2003 \$		Y 2004 \$		Y 2005 \$		<sup>′</sup> 2006 \$	Qty	Y 2007 \$		/ 2008 \$	FY Qty	2009 \$	To C Qty	omplete \$		Total \$		
PRIOR YEARS	Qty 18		Qly 1	2.468	Qty 1	τ 1.156	Qty	Ф	Qty	φ	Qty	Φ	Qty	φ	Qty	Ф	Qty	φ	Qty 20	φ 25.256	-	
FY 2003 EQUIPMENT	10	21.002	-	2.400	1	1.156							-						1	1.156		
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
TO COMPLETE																						
INSTALLATION SCHEDU FY 2002 & Prior In 19 Out 18		FY 2000 2 3 1 0 1 0	<u>3</u>	4 1 0 0 0 1	FY 2 2 1 0	2004 3 4 0 0 1 0	1 0 0	FY 2005 2 3 0 0 0 0	4 0 0	FY 1 2 0 0 0 0		4 1 0 0 0 0	FY 20 2 0 0	007 3 4 0 0 0 0	1 0 0	FY 2008 2 3 0 0 0 0	4	FY 1 2 0 0 0 0	2009 3 0 0	0	TC TOT. 0 21 0 21	

PAGE NO. 4A

ITEM NO. 59

Exhibit P-3A (Individual Modification) CLASSIFICATION: **UNCLASSIFIED** 

CLASSIFICATION: UNCLASSIFIED																				
РЗА		INDIVID	UAL I	MODIFIC	ATIO	N														
MODELS OF SYSTEM AFFECTED:	CVs/CVN	ls, L-class,			Fliaht	Safety					МОГ	DIFICATION	N TITI F	ACLSM	lod Kits S	Summary	(PN4	(80		
		shore sites		-	·g	- Cu. Ct.j			_					7.020		<i>y</i>	(	,		
DESCRIPTION/JUSTIFICATION:				•																
The equipment and installation costs on the	nis P-3a ar	e for indiv	/idual	modifica	tion pr	ograms t	hat do	not exc	eed \$	5 million	in eith	ner budget	year or S	10 millio	n in all y	ears.				
					•	Ü						Ū	•		,					
										_	_									
DEVELOPMENT STATUS/MAJOR DEVEL	OPMENT	MILESTO	DNES	:	Vario	us Config	juratio	n Contro	ol Boa	rd appro	vals	_								
	Drion	·Vooro		/ 2002	Ε.	2004		/ 2005		/ 200e	-	V 2007	ΓV	2000	ΓV	2000		TC	7	-OTAI
	QTY	Years \$	QTY	<u>/ 2003</u> \$	QTY	<u>2004</u> \$	QTY	<u>2005</u> \$	QTY	<u>/ 2006</u> \$	QTY	Y 2007 \$	QTY	2008 \$	QTY	<u>2009</u> \$	QTY	<u>TC</u> \$	QTY	OTAL \$
FINANCIAL PLAN (IN MILLIONS)	<del>Q</del> II	T V	QII	Ι	QII	<u>Ψ</u>	QII	I	QII	Ι	QII	Ψ	Q I I	<u>Ψ</u>	QII	Ψ	QII	Ι	QII	Ψ
																			${igspace}$	
RDT&E											-									
PROCUREMENT																				
INSTALLATION KITS NRE																			igsquare	
INSTALLATION KITS																				
EQUIPMENT NRE																				
EQUIPMENT	Var.	3.977																CONT.		CONT.
Equipment "B"																				
SPN-46 RDVP Mod	6	2.496			3	1.594													9	4.090
Upgrade of RDVP EDM			1	0.042															1	0.042
SPN-46/BFTT Interface	10	0.268	4	0.110															14	0.378
SPN-46 Power Monitor (see NOTE)			1	0.086															1	0.086
SPN-46 LSO Waveoff			2	0.015			6	0.045											8	0.060
SPN-46 Ka Receiver			32	0.060															32	0.060
DAIR/NTDS End-around (see NOTE)			15	0.026															15	0.026
SPN-46 Booster Amp			2	0.030			6	0.091											8	0.121
SPN-46 Spin Motor	15	0.012																	15	0.012
SPN-41 ARA-63 Repl.					5	0.533													5	0.533
SPN-41 Xmtr Mod											1	0.354							1	0.354
SPN-35 Shock Mod							4	1.203	4	1.224	3	0.934			1	0.323	1	0.328	13	4.012
SPN-35 Antenna Stabilization							4	1.120	3	0.854	4	1.159			1	0.300	1	0.306	13	3.739
SPN-35 UPS Mod							1	0.281											1	0.281
SPN-35 Power Supply Mod							1	0.205											1	0.205
INTEGRATED LOGISTICS SUPPORT		0.050		0.123		0.136		0.129		0.075		0.075		0.548		0.230		CONT.		CONT.
PRODUCTION ENGINEERING		0.169		0.208		0.145		0.083		0.025		0.193		0.847		0.227		CONT.		CONT.
QUALITY ASSURANCE				0.017		0.093		0.049		0.010		0.109		0.300		0.135		CONT.		CONT.
ACCEPTANCE, TEST & EVALUATION		0.150										0.002								0.152
DISCONTINUED COST ELEMENTS		82.780																		82.780
INSTALL COST	3	2.433	51	0.266	1	0.095	36	0.440	12	0.193	7	0.125			1	0.033	10	0.165	121	3.750
TOTAL PROCUREMENT		92.335		0.983		2.596		3.646		2.381		2.951		1.695		1.248		CONT.		CONT.

Exhibit P-3A (Individual Modification) CLASSIFICATION:

CLASSIFICATION: <b>UNCLA</b> P3A (Continued)	SSIFI	Eυ																			
MODELS OF SYSTEMS AF	FECT					d MOI	DIFIC	ATION TI	ΓLE:	ACLS M	od Ki	ts Summa	ary (PN	l408)							
INSTALLATION INFORMAT	ION:	sele	cted s	hore site	S.																
MET 100 05 MD1 5M5MT					_																
METHOD OF IMPLEMENTA	ATION	: Alter	ation	Installatio	on Tea	<u>ım</u>															
ADMINISTRATIVE LEADTII	ΜE:		Var.			PRODUC	TION	LEADTIN	ΛE:	Var.											
001170407-04750		<u></u>			_				-				<b>5</b> ) / 00	o=		. ,					
CONTRACT DATES: DELIVERY DATE:		FY 2003: FY 2003:			Var. Var.			FY 2004:	_	Var Var		-	FY 20			Var. Var.	_				
DELIVERY DATE:		FY 2003:			var.			FY 2004:	-	var	•	•	FY 20	05:		var.	-				
								(\$ in N	Million	ıs)											
Cost:	Pri	or Years	F'	Y 2003	F	Y 2004	F'	Y 2005	_	Y 2006	F	Y 2007	FY	′ 2008	FY	′ 2009	To C	omplete		Total	7
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	1
PRIOR YEARS	3	2.433	14	0.251	1	0.095	12	0.060	1	0.059									31	2.898	1
FY 2003 EQUIPMENT			37	0.015			4	0.010											41	0.025	1
FY 2004 EQUIPMENT							8	0.142											8	0.142	1
FY 2005 EQUIPMENT							12	0.228	10	0.114									22	0.342	1
FY 2006 EQUIPMENT									1	0.020	6	0.124							7	0.144	1
FY 2007 EQUIPMENT											1	0.001			1	0.033	6	0.104	8	0.138	1
FY 2008 EQUIPMENT																					1
FY 2009 EQUIPMENT																	2	0.043	2	0.043	1
TO COMPLETE																	2	0.018	2	0.018	1
INSTALLATION SCHEDI FY 2002 & Prior	1	FY 200 2 3	03	4 1	FY 2 2 2	3 4	1 12	FY 2005 2 3 6 5	4	1 2	2006	4 1	FY 20	3 4	1	FY 2008 2 3	2	0.018 FY 1 2	2 2009 3	0.018	<u>TC</u> TO1
In   11	1 1	16 33		4 0		2 0	12	6 5	0	9 1	0	1 6	0		0	4 3	0	0 0			4   121
Out 3	9	14 17		11   0	4	0 0	7	10 10	9	0 7	3	2   0	3	3 1	0	0 0	0	1 0	0	0	10   121

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Exhibit P-3A (Individual Modification) CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED																				
P3A		INDIVID	JAL I	MODIFIC	MOITA	N														
MODELS OF SYSTEM AFFECTED:		and selecte	ed	_	Flight	Safety			_		MOE	DIFICATION	N TITLE:	AN/SPN	N-46(V)3	PIP Mod	Kit (P	N408)		
	shore sit	es.		_																
DESCRIPTION/JUSTIFICATION:																				
This modification corrects parts obsolesce	ence probl	ems and e	ennan	ces main	tainab	ility. The	e inver	ntory obje	ective	for this i	tem is	thirteen, c	it which (	eleven a	re OPN-ti	unded ar	nd two	SCN-fu	inded.	
DEVELOPMENT STATUS/MAJOR DEVEL	OPMENT	MILESTO	ONES	:	Produ	ıction EC	Р арр	proved 9/	96			-								
	<u>Prio</u> QTY	<u>r Years</u> \$	<u>F\</u> QTY	<u>/ 2003</u> \$	<u>FY</u> QTY	<u>2004</u> \$	<u>FY</u> QTY	<u>′ 2005</u> \$	<u>F\</u> QTY	<u>/ 2006</u> \$	<u>F</u> QTY	Y 2007 \$	<u>FY</u> QTY	2008 \$	<u>FY :</u> QTY	2009 \$		<u>TC</u> \$	QTY	TOTAL \$
FINANCIAL PLAN (IN MILLIONS)				·		·		·		,				,				·		
RDT&E																				
PROCUREMENT																				
INSTALLATION KITS NRE																				
INSTALLATION KITS																				
EQUIPMENT NRE																				
EQUIPMENT	11	23.523																	11	23.523
Equipment "B"																				
ECP 1 Grp "B"																				
ECP 2 Grp "B"																				
DATA																				
TRAINING EQUIPMENT																				
SUPPORT EQUIPMENT																				
INTEGRATED LOGISTICS SUPPORT		0.050																		0.050
PRODUCTION ENGINEERING		0.200		0.073																0.273
QUALITY ASSURANCE	1	0.020		0.050											1		1		1	0.070
ACCEPTANCE, TEST & EVALUATION															<u> </u>					
INITIAL TRAINING		0.003													<u> </u>					0.003
INTERIM CONTRACTOR SUPPORT															<u> </u>					2.230
INSTALL COST	5	5.789	3	3.071	1	1.122	1	1.391	1	1.132					<u> </u>				11	12.505
TOTAL PROCUREMENT	<b>—</b> —	29.585		3.194	•	1.122	<u> </u>	1.391	<u> </u>	1.132	1						1		† • •	36.424
	1	_0.000	·						1		1	1		Exhibit	P-3A (Ind	lividual N	/Indific	ation)	CLA	SSIFICAT

ITEM NO. 59 PAGE NO. 4D

CLASSIFICATION: UNCLA	SSIFII	ED																					
P3A (Continued)																							
MODELS OF SYSTEMS AF	FECTI	ED: CV/C	VN ar	nd selected	d shore	e sites.		MODIFIC	ATIC	N TITLE	AN/S	SPN-46(	/)3 PIP	Mod Kit	(PN4	08)							
INSTALLATION INFORMAT	ION:																						
METHOD OF IMPLEMENTA	ATION:	: Alter	ation	Installatio	n Tea	am_																	
ADMINISTRATIVE LEADTII	ME:		4	Month	s	PRODUC	CTION	LEADTIN	1E: _	16	Month	is_											
CONTRACT DATES: DELIVERY DATE:		FY 2003: FY 2003:			N/A N/A			FY 2004: FY 2004:	-	N/A			FY 20 FY 20			N/A N/A	- -						
_								(\$ in I													-		
Cost:	Qty	or Years \$	F' Qty	Y 2003 \$	Qty	Y 2004 \$	Qty	Y 2005 \$	F' Qty	/ 2006 \$	Qty	Y 2007 \$	Qty	/ 2008 \$	Qtv		To C Qty	omplete \$	Qty	Total \$	-		
PRIOR YEARS	Qty 5	5.789	3		Qty 1		Qiy 1	1.391	Qty 1	τ 1.132	Qty	Ψ	Qty	Ψ	Qty	φ	Qty	φ	11	- φ 12.505			
FY 2003 EQUIPMENT		0.700		0.071	<u> </u>	1.122	<u> </u>	1.001	-	1.102										12.000			
FY 2004 EQUIPMENT																							
FY 2005 EQUIPMENT																							
FY 2006 EQUIPMENT																							
FY 2007 EQUIPMENT																							
FY 2008 EQUIPMENT																							
FY 2009 EQUIPMENT																							
TO COMPLETE																					1		
INSTALLATION SCHEDI FY 2002 & Prior In 9 Out 5		FY 200 2 3 0 1 0 1	<u>3</u>	4 1 0 1 1 0	FY 2 2 0 0	2004 3 4 0 0 1 0	1 0 0	FY 2005 2 3 0 0 1 0	4 0 0	1 2 0 0 1 0	2006 3 0	4 1 0 0 0 0	FY 20 2 0 0	007 3 4 0 0 0 0	1 0 0	FY 2008 2 3 0 0 0 0	4	FY 1 2 0 0 0 0	2009 3 0 0	0	TC TO1	1	

Exhibit P-3A (Individual Modification)
CLASSIFICATION: UNCLASSIFIED

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DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

P3A	INDIVIDUAL MOD	DIFICATION	
MODELS OF SYSTEM AFFECTED:	LHA, LHD, MCS-12 and	Flight Safety	MODIFICATION TITLE: AN/SPN-35C Upgrade (PN409)

DESCRIPTION/JUSTIFICATION:

This modification improves reliability and maintainability of an aging system baseline. The inventory objective for this item is thirteen, of which twelve are OPN-funded and one SCN-funded. The end-item is an in-house build by NAWCAD St. Inigoes, MD.

LRIP Decision 12/99

DEVELOPMENT STATUS/MAJOR DEVELO	PIVIENT	MILEST	JNE2		LKIP	Decision	12/98	,				•								
	Prior	Years	F١	/ 2003	FY	2004	FΥ	2005	FΥ	2006	F	Y 2007	FY	2008	FY 2	2009		<u>TC</u>	Т	OTAL
	QTY	\$	QTY		QTY	\$	QTY		QTY	\$	QTY		QTY	\$	QTY	\$	QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																				
RDT&E																				
<u>PROCUREMENT</u>																				
INSTALLATION KITS NRE																				
INSTALLATION KITS																				
EQUIPMENT NRE																				
EQUIPMENT	3	4.584			1	1.382	2	2.777	2	2.824	2	2.873			1	1.489	1	1.516	12	17.445
Equipment "B"																				
Antenna Pedestal Mod Kit 1/					3	0.722	2	0.182	2	0.185	2	0.188			1	0.097	2	0.182	12	1.556
LRIP Upgrade /2			1	0.273															1	0.273
DATA																				
TRAINING EQUIPMENT 3/	Var.	1.057																		1.057
SUPPORT EQUIPMENT																				
INTEGRATED LOGISTICS SUPPORT		0.899		0.300		0.574		0.521		0.579		0.278		0.070		0.148				3.369
PRODUCTION ENGINEERING		1.328		0.711		0.262		0.528		0.549		0.553				0.296				4.227
QUALITY ASSURANCE		0.005				0.206		0.387		0.378		0.049		0.050						1.075
ACCEPTANCE, TEST & EVALUATION		1.920		0.222		0.004														2.146
INITIAL TRAINING				0.025																0.025
INTERIM CONTRACTOR SUPPORT																				
INSTALL COST		0.814	1	0.994	3	2.182	2	2.325	5	7.094	4	4.645	4	3.622		0.280	5	5.078	24	27.034
TOTAL PROCUREMENT		10.607		2.525		5.332		6.720		11.609		8.586		3.742		2.310		6.776		58.207

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Exhibit P-3A (Individual Modification) CLASSIFICATION:

**UNCLASSIFIED** 

2/ LRIP Upgrade is required to bring an LRIP unit up to the production baseline. This upgrade to an in-production unit has no installation requirement.

3/ Equipment is a set of Pre-Faulted Modules.

<sup>1/</sup> The Antenna Pedestal Mod Kit includes a yoke modification and radome replacement. These will install concurrently with the main EQUIPMENT units, except for one retrofit to cover the previous FY 2003 EQUIPMENT installation.

CLASSIFICATION: UNCLA	SSIFI	ED																				
P3A (Continued)																						
MODELS OF SYSTEMS AF	FECT			MCS-12 a				MODIFIC	ATIO	N TITLE	: <u>AN/</u>	SPN-35C	Upgra	de (PN40	09)							
INSTALLATION INFORMAT	ION:																					
METHOD OF IMPLEMENTA	ATION:	Alter	ation	Installatio	n Tea	<u>m_</u>																
ADMINISTRATIVE LEADTIN	ИЕ:		2	Month	S	PRODUC	TION	LEADTIN	1Ε: _	18 **	Montl	hs										
CONTRACT DATES: DELIVERY DATE:		FY 2003: FY 2003:			N/A N/A			FY 2004: FY 2004:	-	3/04 8/05			FY 20 FY 20			12/04 5/06	- -					
								(\$ in <b>N</b>	Million	ıs)											_	
Cost:		or Years		Y 2003		Y 2004		Y 2005		Y 2006		Y 2007		2008		2009		omplete		Total		
	Qty		Qty		Qty	\$	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	_	
PRIOR YEARS	AP	0.814	1	0.994	1	1.949			1	2.364									3	6.121	4	
FY 2003 EQUIPMENT						0.000	_	0.005											4	0.550	4	
FY 2004 EQUIPMENT					2	0.233	2	2.325	4	4 700									4	2.558	4	
FY 2005 EQUIPMENT									4	4.730	1	4 645							4	4.730	4	
FY 2006 EQUIPMENT FY 2007 EQUIPMENT	1										4	4.645	4	3.622					4	4.645 3.622	4	
FY 2007 EQUIPMENT													4	3.022					4	3.022	-	
FY 2009 EQUIPMENT															AP	0.28	2	2.414	2	2.694	-	
TO COMPLETE															7 (1	0.20	3		3		-	
INSTALLATION SCHEDU FY 2002 & Prior In 0 Out 0		FY 200 2 3 0 1 0 1	3	4 1 0 0 0 0	FY 2 2 1 0	$     \begin{array}{c c}       004 \\       \hline       3 & 4 \\       0 & 2 \\       0 & 3     \end{array} $	1 1 0	FY 2005 2 3 0 0 0 1	4 1 1	FY 1 2 1 0 1 0	2006 3 4 4	4 1 0 0 0 0	FY 20 2 0 0	007 3 4 4 0 4 0	1 0 0	FY 2008 2 3 0 4 0 2	4 0		2009 3	4 0	TC TOTAL 5 24 24	
																		idual Ma				

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\*\* Production lead time is 18 months, beginning with the FY 2004 purchase.

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	INIDIA/ID		40DIE:0	ATIO																					
	INDIVID	UAL	MODIFIC	AHOI	N																				
CV/CVN and				Flight Safety							MODIFICATION TITLE: AN/SPN-46(V)3 Life Cycle Extension Summary														
-			•	·g	- Cu.o.y			-																	
		-	•											(, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,										
s P-3a are	e for indiv	/idual	modifica	tion pr	ograms t	hat do	not exc	eed \$	5 million	in eith	er budget v	year or S	\$10 million	n in all y	ears.										
					Ü									•											
PMENT	MILEST	ONES		Vario	us Contig	juratio	on Contro	ol Boa	rd appro	vals															
Daine	V			Ε.	( 000 4		, 200F			_	V 0007	<b></b>	2000	ΓV	0000		то	-	-OTA1						
																		_	OTAL \$						
QII	<u>Ψ</u>	QII	φ	QII	<u>Ψ</u>	QII	<u>Ψ</u>	QII	<u>Ψ</u>	QII	φ	QII	<u>φ</u>	QII	Ψ	QII	<u>φ</u>	QII	φ						
										2	2.307	2		3					14.32						
								2	0.212			6	0.660	6					3.369						
														1					17.087						
								1		1		4		4	1.703	20			12.859						
						6	0.574	9	0.669	9		9	0.000	9	0.706				3.561						
										9	1.546	9	1.576	6	1.070	21	3.811	45	8.003						
			0.187		1.148				0.280		0.472		0.931		0.503		CONT.		CONT						
	0.100		0.590		4.439		0.090		0.949		0.714		1.495		0.934		CONT.		CONT						
					0.415				0.105		0.102		0.405		0.157		CONT.		CONT						
																			0.000						
																			0.000						
						3	0.094	6	0.193	12	0.753	21	3.692	30	5.279	108	34.050	180	44.06						
	0.100		0.777		6.002		0.758		2.812		6.986		13.473		15.730		CONT.		CONT						
is	selected s	CV/CVN and selected shore sites are for individual selected shore sites are for indivi	CV/CVN and selected shore sites.  s P-3a are for individual   DPMENT MILESTONES  Prior Years QTY \$ QTY	CV/CVN and selected shore sites.  S P-3a are for individual modification in the selected shore sites.  S P-3a are for individual modification in the selected shore sites.  Prior Years FY 2003 QTY \$	CV/CVN and selected shore sites.  S P-3a are for individual modification properties.  Vario  Prior Years FY 2003 FY QTY \$ QTY  QTY \$ QTY \$ QTY  O 0.187	Prior Years FY 2003 FY 2004 QTY \$ QT	CV/CVN and selected shore sites.  S P-3a are for individual modification programs that do specific programs that do specif	CV/CVN and   selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected shore sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are for individual modification programs that do not exceed the selected short sites.   S P-3a are f	CV/CVN and selected shore sites.  S P-3a are for individual modification programs that do not exceed \$  CPMENT MILESTONES:  Various Configuration Control Boat  Prior Years FY 2003 FY 2004 FY 2005 FY QTY \$	Prior Years   FY 2003   FY 2004   FY 2005   FY 2006   QTY   \$ QTY	Flight Safety	Flight Safety   MODIFICATION	Flight Safety   MODIFICATION TITLE	Flight Safety   MODIFICATION TITLE: AN/SPN   Mod Kits	Flight Safety	Prior Years   FY 2003   FY 2004   FY 2005   FY 2006   FY 2007   FY 2008   FY 2009   QTY   \$	Flight Safety   MODIFICATION TITLE: AN/SPN-46(V)3 Life Cycle Extraorder Selected shore sites.   Flight Safety   MODIFICATION TITLE: AN/SPN-46(V)3 Life Cycle Extraorder Selected shore sites.   Mod Kits (PN410)	Flight Safety   MODIFICATION TITLE: AN/SPN-46(V)3 Life Cycle Extension Streeted shore sites.   Flight Safety   MODIFICATION TITLE: AN/SPN-46(V)3 Life Cycle Extension Streeted shore sites.   Mod Kits (PN410)	Flight Safety						

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P3A (Continued)																					
MODELS OF SYSTEMS AF	FECT	ED: CV/0	CVN a	and		МО	DIFIC	ATION TI	TLE:	AN/SPN	I-46(V	)3 Life Cy	cle Ex	tension S	Summ	ary					
		sele	cted	shore site	es.				_	Mod Kit	s (PN4	110)									
INSTALLATION INFORMAT	ΓΙΟN:																				
METHOD OF IMPLEMENTA	ATION	I: Alte	ration	n Installati	ion Tea	am_															
ADMINISTRATIVE LEADTI	ME:		Var		_	PRODUC	CTION	LEADTIN	⁄IЕ: _	Var.											
CONTRACT DATES: FY 2003: N/A								FY 2004:		Var	-		FY 2005: Var.								
DELIVERY DATE: FY 2003: N/A							FY 2004:	-	Var			FY 2005: Var.									
								00	-								-				
								(\$ in I	Million	s)											
Cost:	Cost: Prior Years FY 2003 FY			Y 2004	F`	Y 2005	F'	/ 2006	Y 2007	7 FY 2008			2009	To C	Complete		Total				
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT							3	0.094											3	0.094	
FY 2005 EQUIPMENT									6	0.193									6	0.193	
FY 2006 EQUIPMENT											12	0.753							12	0.753	
FY 2007 EQUIPMENT													21	3.692					21	3.692	
FY 2008 EQUIPMENT															30	5.279			30	5.279	
FY 2009 EQUIPMENT																	29	7.325	29	7.325	
TO COMPLETE																		26.725	79	26.725	
INSTALLATION SCHED FY 2002 & Prior In 0 Out 0		FY 200 2 3 0 0 0 0	<u>03</u> -	4 1 0 0 0 0	FY 2 2 0 0	2004 3 4 0 0 0 0	1 1 1	FY 2005 2 3 1 1 1 1	4 0 0	1 2 2 2 1 1	2006 3 2 2	4 1 0 4 2 2	FY 20 2 4 5	$     \begin{array}{c c}       007 \\       \hline       3 & 4 \\       \hline       2 & 2 \\       3 & 2     \end{array} $	1 7 4	FY 2008 2 3 6 4 7 5	4 4 5	1 2 10 8 8 8	2009 3 6 8	4 6 6 10	

Exhibit P-3A (Individual Modification) CLASSIFICATION: UNCLASSIFIED

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